

FIG. 1

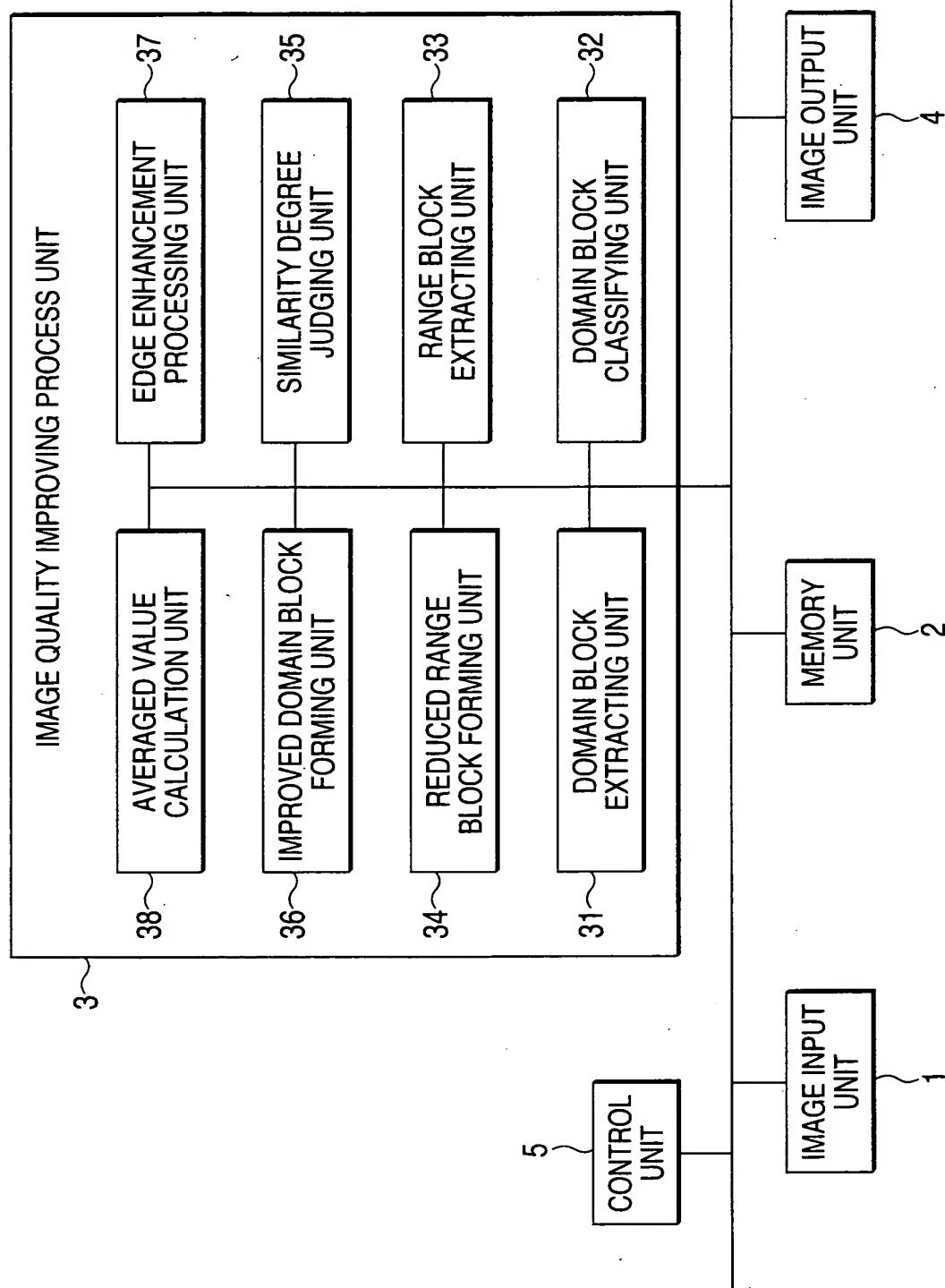
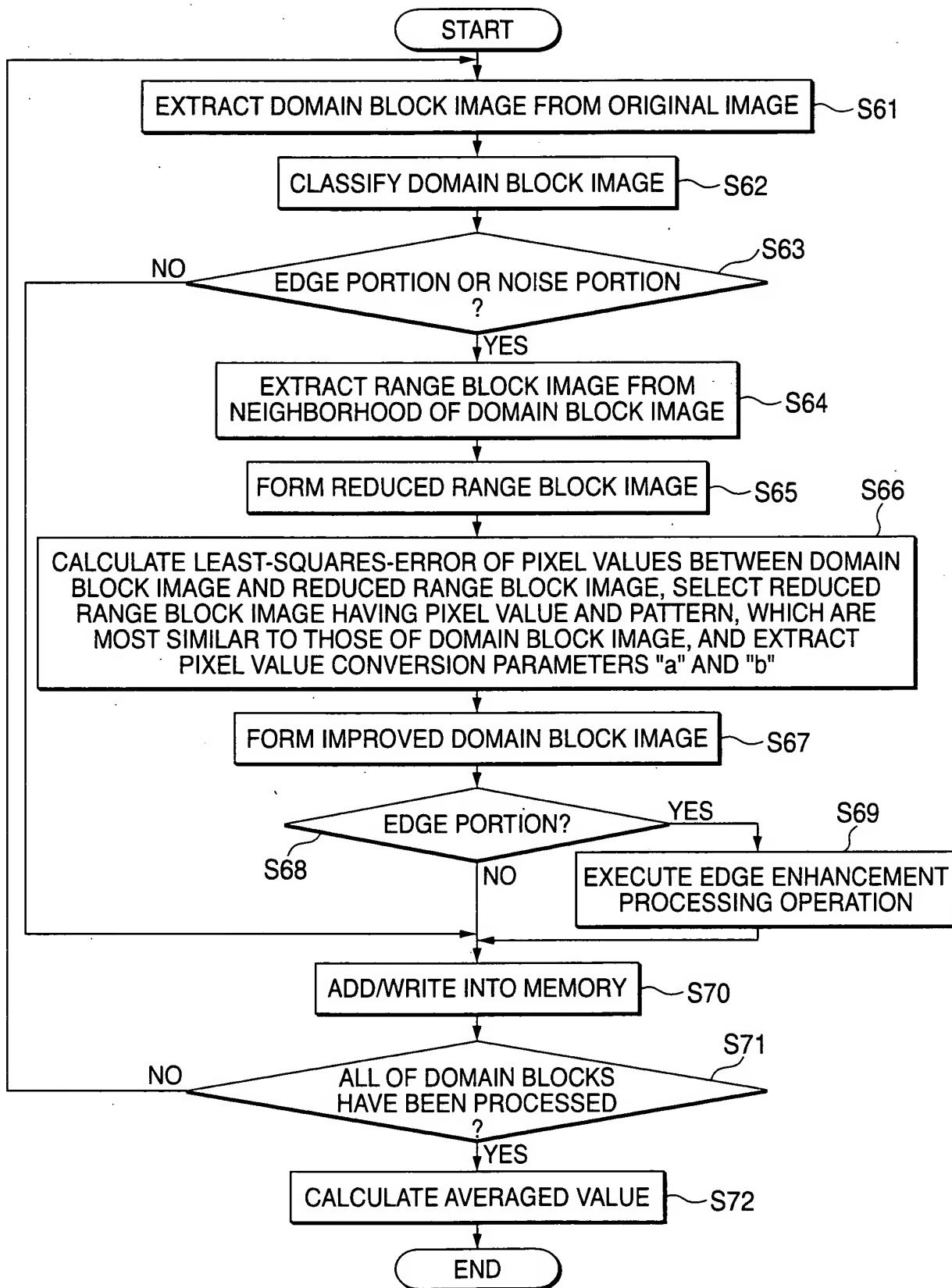


FIG. 2



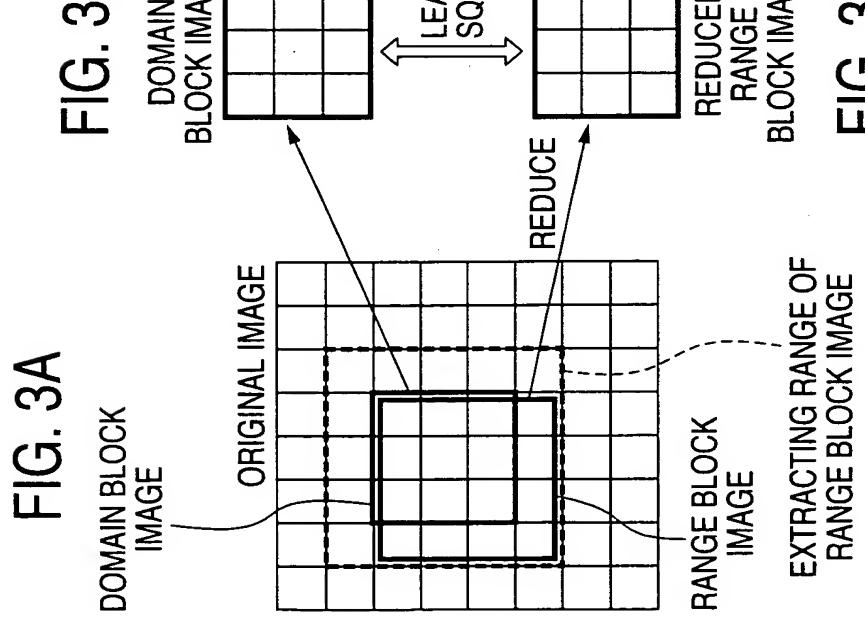
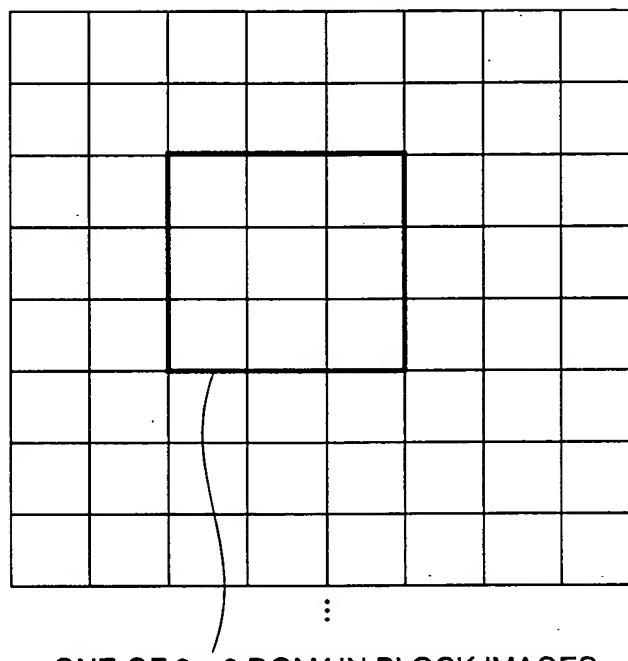


FIG. 4

ORIGINAL IMAGE



ONE OF 3 x 3 DOMAIN BLOCK IMAGES

FIG. 5

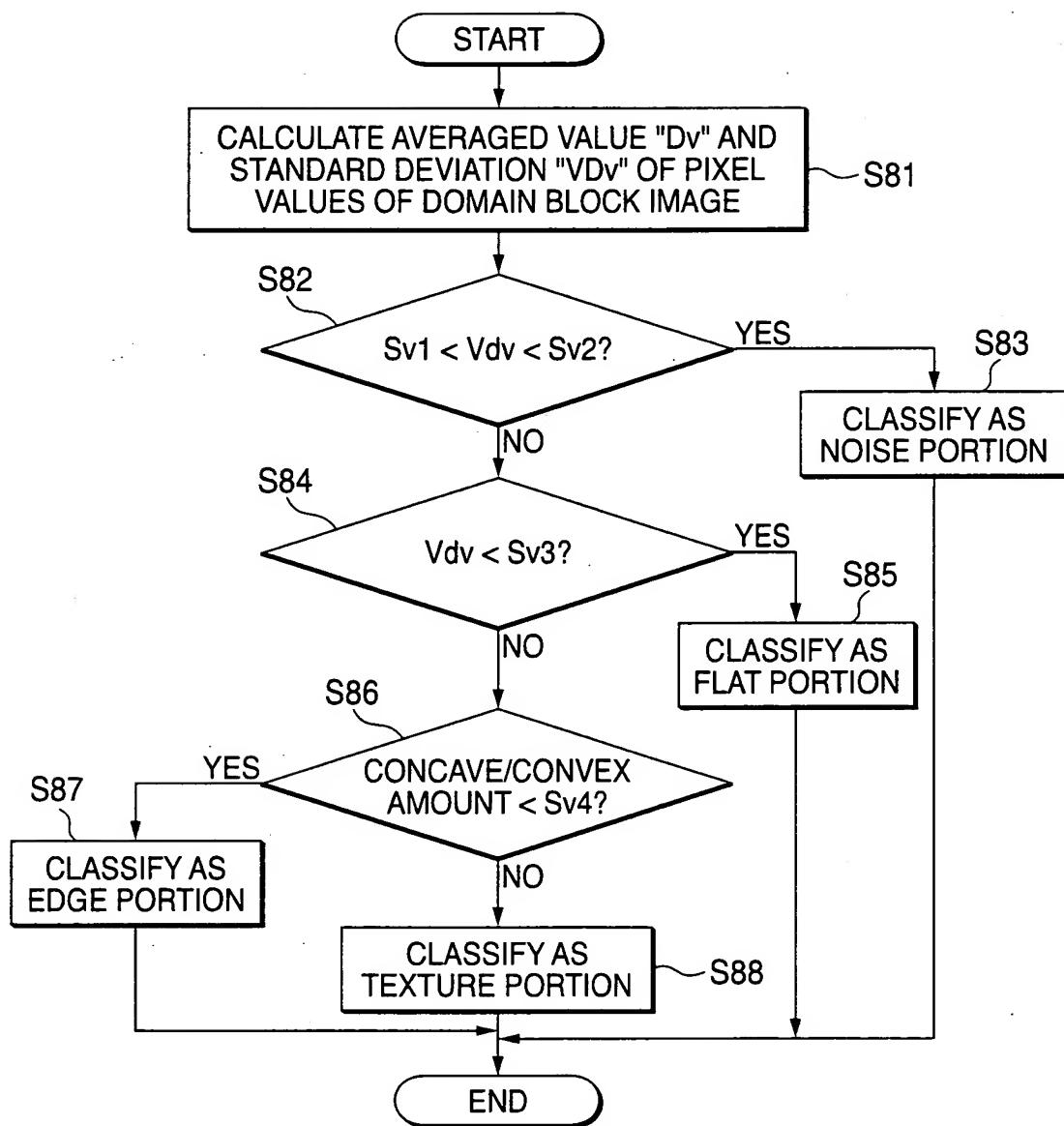


FIG. 6A

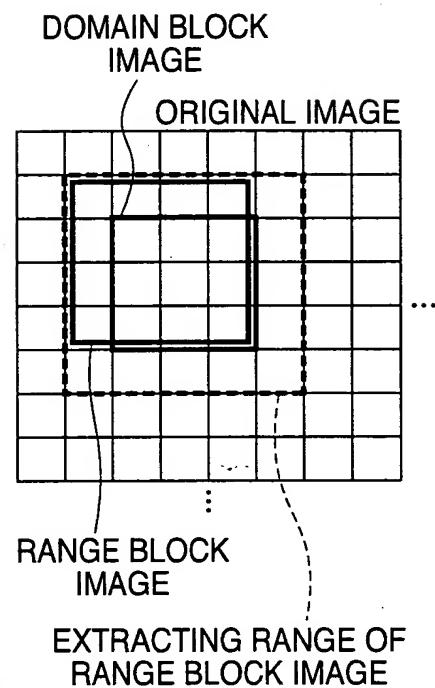


FIG. 6B

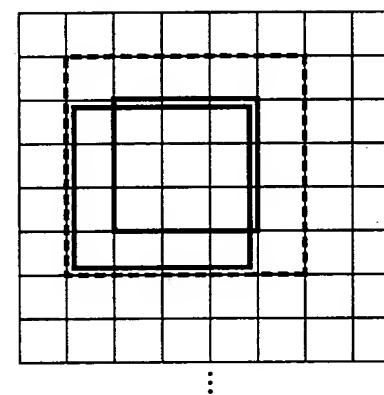


FIG. 6C

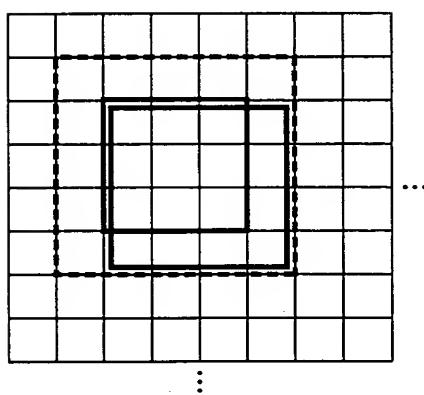


FIG. 6D

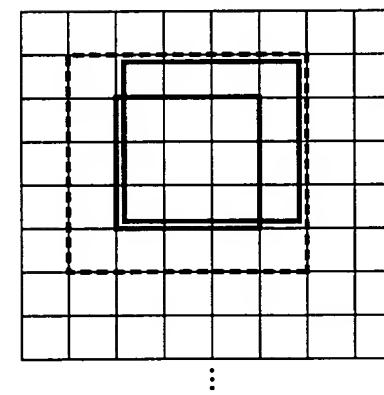


FIG. 7A

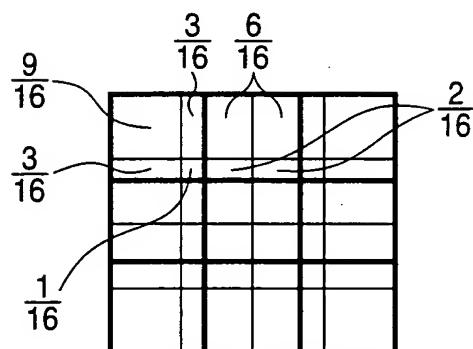


FIG. 7B

P ₁₁	P ₂₁	P ₃₁	P ₄₁
P ₁₂	P ₂₂	P ₃₂	P ₄₂
P ₁₃	P ₂₃	P ₃₃	P ₄₃
P ₁₄	P ₂₄	P ₃₄	P ₄₄

REDUCE BY
PROJECTION
METHOD

FIG. 7C

Q ₁₁	Q ₂₁	Q ₃₁
Q ₁₂	Q ₂₂	Q ₃₂
Q ₁₃	Q ₂₃	Q ₃₃

FIG. 8B

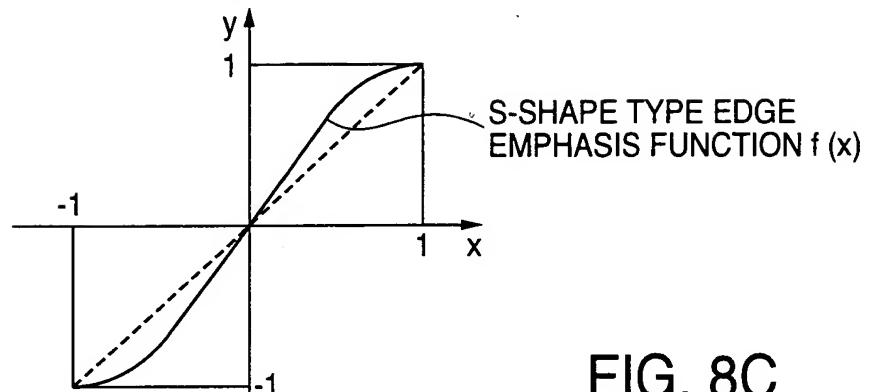


FIG. 8A

IMPROVED DOMAIN
BLOCK IMAGE

p ₁₁	p ₂₁	p ₃₁
p ₁₂	p ₂₂	p ₃₂
p ₁₃	p ₂₃	p ₃₃

EDGE EMPHASIS
PROCESSING

FIG. 8C

EDGE-EMPHASIZED
IMPROVED DOMAIN
BLOCK IMAGE

q ₁₁	q ₂₁	q ₃₁
q ₁₂	q ₂₂	q ₃₂
q ₁₃	q ₂₃	q ₃₃

FIG. 9

3 x 3 BLOCK AREA

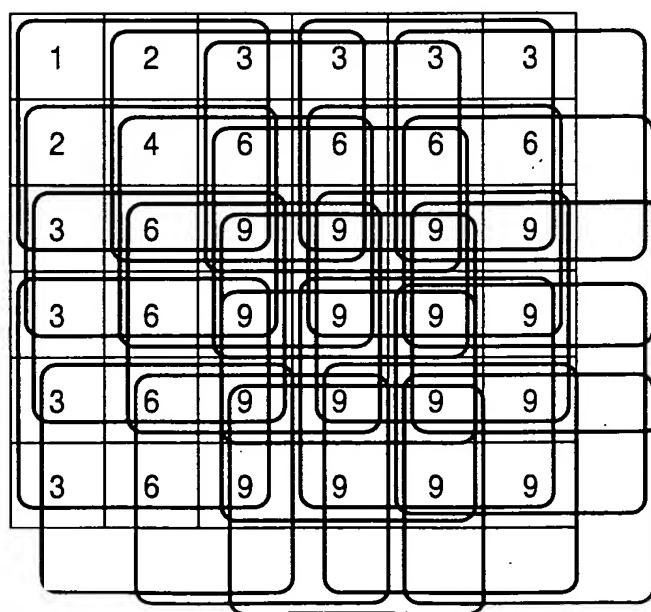


FIG. 10

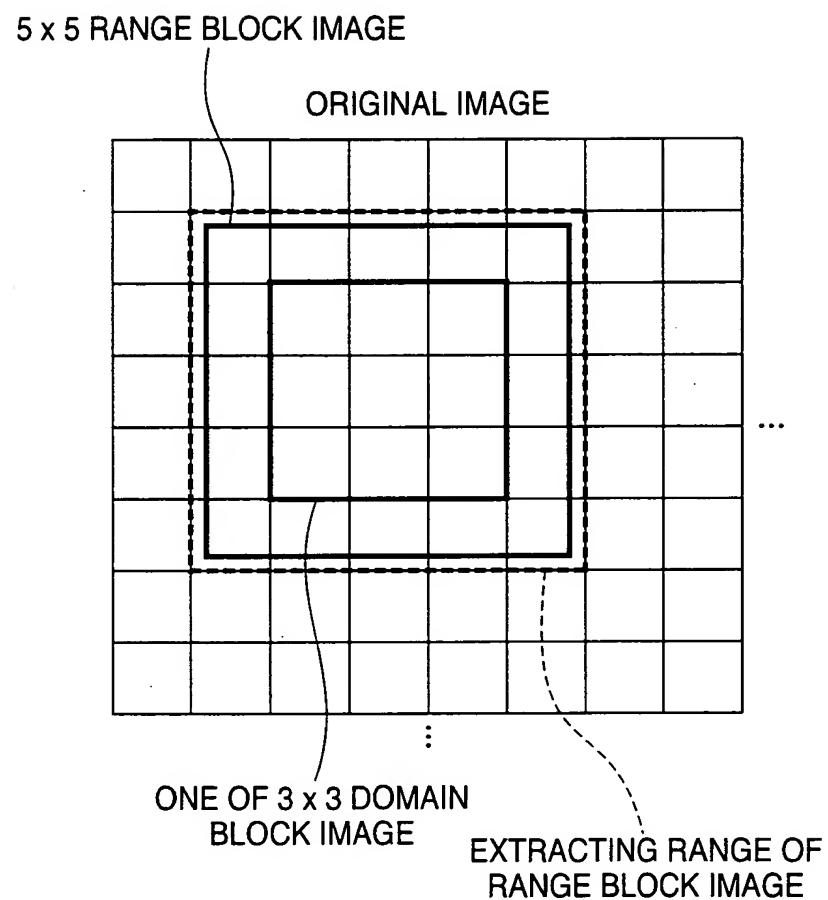


FIG. 11A

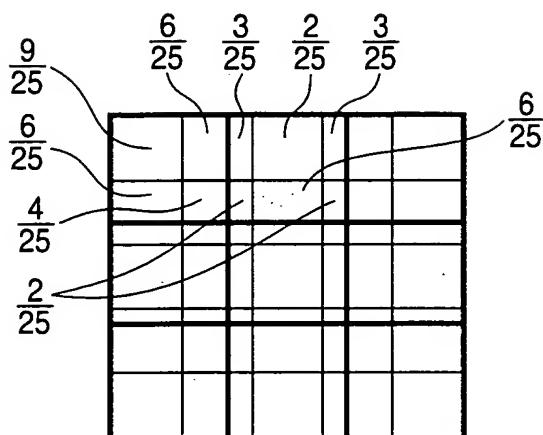


FIG. 11B

P ₁₁	P ₂₁	P ₃₁	P ₄₁	P ₅₁
P ₁₂	P ₂₂	P ₃₂	P ₄₂	P ₅₂
P ₁₃	P ₂₃	P ₃₃	P ₄₃	P ₅₃
P ₁₄	P ₂₄	P ₃₄	P ₄₄	P ₅₄
P ₁₅	P ₂₅	P ₃₅	P ₄₅	P ₅₅

REDUCE BY
PROJECTION
METHOD

Q ₁₁	Q ₂₁	Q ₃₁
Q ₁₂	Q ₂₂	Q ₃₂
Q ₁₃	Q ₂₃	Q ₃₃

FIG. 11C

FIG. 12



FIG. 13

